

01-17-02

Attorney Docket No. T9479.B

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01/14/02

Intellectual Property Law  
Patents • Trademarks  
Copyrights • Licensing  
Litigation • Trade Secrets  
Computer Law • Biotechnology  
Unfair Competition • Enforcement

January 14, 2002

Box Patent Application  
Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is a patent application entitled "FINDING ACTIVE ANTISENSE OLIGONUCLEOTIDES USING ARTIFICIAL NEURAL NETWORKS" comprising:

- \_\_\_\_\_ A continuing application as indicated below:
  - \_\_\_\_\_ Continuation of prior application no. \_\_\_\_\_, filed \*\*\*[date]\*\*\*, which is hereby incorporated by reference in the enclosed application in its entirety.
    - \_\_\_\_\_ This continuation constitutes the enclosed true and complete copy of said prior application, together with any instructions or amendments provided herein or herewith.
  - \_\_\_\_\_ Divisional of prior application no. \_\_\_\_\_, filed \*\*\*[date]\*\*\*, which is hereby incorporated by reference in the enclosed application in its entirety.
    - \_\_\_\_\_ This divisional constitutes the enclosed true and complete copy of said prior application, together with any instructions or amendments provided herein or herewith.
  - \_\_\_\_\_ Continuation-in-part of prior application no. \_\_\_\_\_, filed \*\*\*[date]\*\*\* which is hereby incorporated by reference in the enclosed application in its entirety.
- X   A patent application claiming the benefit of U.S. Provisional Application No. 60/262,993, filed January 19, 2001, which is hereby incorporated by reference in the enclosed application in its entirety.

CERTIFICATE OF MAILING BY EXPRESS MAIL LABEL NO. ET657877009US

Mailed: January 14, 2002

I hereby certify that this correspondence, and all enclosures indicated, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above in an envelope addressed to: Box Patent Application, Commissioner for Patents, Washington D.C. 20231.

Respectfully submitted,

*Alan J. Howarth*  
 Alan J. Howarth, Ph.D.  
 Attorney Registration No. 36,553

J1011 U.S. PTO  
 10/050888  
 01/14/02

1050888-011402

- ☒ Fifty-One (51) pages of specification, claims and abstract from the prior application.
- ☒ Eight (8) sheets of \_\_\_ formal/ ☒ informal drawings.
- \_\_\_ Declaration, Power of Attorney and Petition.
- \_\_\_ Newly Executed
- \_\_\_ Copy from prior application (when a continuation or divisional) (37 C.F.R. § 1.63(d))
- \_\_\_ Associate or Substitute Power of Attorney
- \_\_\_ Microfiche Computer Program (Appendix)
- ☒ Nucleotide and/or Amino Acid Sequence Submission
- ☒ Computer Readable Copy
- ☒ Paper Copy (identical to computer readable copy)
- ☒ Statement verifying identity of above referenced copies

Also enclosed are:

- \_\_\_ An Assignment from \_\_\_\_\_ to \_\_\_\_\_ (including assignment cover sheet)
- \_\_\_ An Information Disclosure Statement under 37 C.F.R. §1.97 accompanied by a Form PTO-1449.
- \_\_\_ A Preliminary Amendment, and the fee calculation set forth below is based upon the claims as constituted by said amendment.
- ☒ A return receipt postcard under MPEP § 503, indicating specially itemized enclosures.
- \_\_\_ A Certificate Under 37 C.F.R. §3.73(b) to Establish Right of Assignee to Take Action.
- ☒ A Certificate of Express Mailing certifying a filing date of January 14, 2002, by use of Express Mail Label No.ET657877009US.
- \_\_\_ A Declaration Claiming Small Entity Status for \*\*\*[independent inventor, etc.]\*\*\*, under 37 C.F.R. §§ 1.9 and 1.27.

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- \_\_\_\_\_ A paper entitled "Establishment of Small Entity Status" under 37 C.F.R. § 1.28(a), along with a copy of the declaration claiming small entity status under 37 C.F.R. §§ 1.9 and 1.27 filed in the prior application.
- \_\_\_\_\_ Certified copy of priority document(s) (if foreign priority is claimed).
- \_\_\_\_\_ A copy of the extension of time simultaneously filed in the prior application.

Instructions and Averments:

- \_\_\_\_\_ Incorporation by Reference (if a copy of the declaration from prior application is included). The entire disclosure of the prior application, from which a copy of the declaration is supplied herewith as referenced above, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
- \_\_\_\_\_ A Declaration Claiming Small Entity Status was filed in the prior application and such status is still proper and desired.
- \_\_\_\_\_ Cancel in this application original claims \_\_\_\_\_ of the prior application before calculating the filing fee.
- \_\_\_\_\_ Pursuant to 37 C.F.R. § 1.78(a)(2), please amend the specification as follows:

FEES

- X No Fees are enclosed.
- \_\_\_\_\_ Check No. \_\_\_\_\_ in the amount of \$\_\_\_\_\_.00 which represents the filing fee for this application.

The fees have been calculated as set forth below.

PATENT APPLICATION FEE CALCULATION TABLE							
			SMALL ENTITY			LARGE ENTITY	
	NO. FILED	NO. EXTRA	RATE	FEE	OR	RATE	FEE
BASIC FEE				\$ 355	OR		\$ 710
TOTAL CLAIMS	- 20 =		X 9 =	\$	OR	X 18 =	\$
IND. CLAIMS	- 03 =		X 40 =	\$	OR	X 80 =	\$

204470-8885001

Presentation of Multiple Dependent Claims	+ 135 =	\$ -	OR	+ 270 =	\$
ASSIGNMENT RECORDATION FEE ( )	+ 40 =	\$ -	OR	+ 40 =	\$
	<b>TOTAL:</b>	\$	OR	<b>TOTAL:</b>	\$

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication, if indicated by a marking below in the blank line corresponding to said fees, or credit any overpayment, to Deposit Account No. 50-0836.

- \_\_\_\_\_ An original and one copy of this letter are enclosed.
- \_\_\_\_\_ Any additional filing fees required under 37 C.F.R. § 1.16.
- \_\_\_\_\_ Any patent application processing fees under 37 C.F.R. § 1.17.

The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application, if indicated by a marking below in the blank line corresponding to said fees, or credit any overpayment, to Deposit Account No. 50-0836.

- \_\_\_\_\_ Any patent application processing fees under 37 C.F.R. § 1.17.
- \_\_\_\_\_ The issue fee set forth in 37 C.F.R. § 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b).
- \_\_\_\_\_ Any filing fees under 37 C.F.R. § 1.16 for presentation of extra claims.

2004-01-14 10:00:00

CORRESPONDENCE ADDRESS

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Customer No. 20450

X Please direct all future telecommunications to:

Alan J. Howarth, Ph.D.  
Clayton, Howarth & Cannon, P.C.  
Telephone: (801) 255-5335  
Facsimile: (801) 255-5338

X Please refer to the following attorney docket number in all future correspondence and telecommunications:

T9479.B

Dated this 14<sup>th</sup> day of January, 2002.

Respectfully submitted,



Alan J. Howarth, Ph.D.  
Attorney Registration No. 36,553

Clayton, Howarth & Cannon, P.C.  
P.O. Box 1909  
Sandy, Utah 84091

AJH/hf

Enclosures: New Patent Application  
Eight (8) Sheets of Formal Drawings  
Six (6) Pages of Sequence Listing  
One (1) Sequence Listing CRF diskette  
Statement Under 37 C.F.R. § 1,821(f)  
Postcard

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: RAYMOND F. GESTELAND )  
 et al. )  
 )  
 TITLE: FINDING ACTIVE ANTI- )  
 SENSE OLIGONUCLEOTIDES )  
 USING ARTIFICIAL )  
 NEURAL NETWORKS ) STATEMENT UNDER 37 C.F.R.  
 ) § 1.821(f)  
 )  
 SERIAL NO.: )  
 )  
 FILED: January 14, 2002 )  
 )  
 EXAMINER: )  
 )  
 ART UNIT: )

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Commissioner for Patents  
Washington, D.C. 20231

Sir:

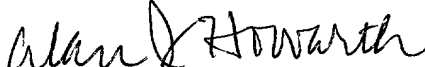
This Statement Under 37 C.F.R. § 1.821(f) accompanies a new U.S. Patent Application filed on January 14, 2002, which claims priority to U.S. Serial No. 60/262,993, filed January 19, 2001.

This application includes a paper copy of a Sequence Listing submitted under 37 C.F.R. § 1.821(c) and a computer readable form (CRF) of the Sequence Listing submitted under 37 C.F.R. § 1.821(e).

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CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.10  
EXPRESS MAIL NO. ET657877009US

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 in an envelope addressed to Commissioner for Patents, Washington D.C. 20231 on the 14th day of January, 2002.

  
 Alan J. Howarth  
 Attorney Registration No. 36,553

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The information recorded in computer readable form is identical to the written Sequence Listing.

DATED this 14<sup>th</sup> day of January, 2002.

Respectfully submitted,



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Alan J. Howarth, Ph.D.  
Attorney Registration No. 36,553  
Customer No. 020450

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